



PRODUCT DATA

Brand Name: EZ CAST 2700

Description: EZ CAST 2700 is a conventional cement, 42% alumina castable that can be installed by vibration cast, pumpcasting, or self-leveling methods.

Maximum Service Temperature: 2700°F (1482°C)

Dry Material Required per Cubic Foot : 140-145 lbs. (approximate)

Recommended Mixing Time: 5 minutes

Typical Water Required for Mixing (by weight) :

Vibration Casting 6.5%
Self-Flow 8.5%

Bulk Density (pcf)

Self-Flow Data

After 220°F (105°C) :	138	(2208 kg/m ³)
After 1500°F (815°C) :	136	(2176 kg/m ³)

Cold Crushing Strength (psi)

After 220°F (105°C) :	9,000	(630 kg/cm ²)
After 1500°F (815°C) :	7,000	(490 kg/cm ²)

Permanent Linear Change (%)

After 1500°F (815°C) : 0.0 to -0.3

Hot Modulus of Rupture, psi

At 2000°F (1093°C) : 1,200 to 2,400 (84 to 168 kg/cm²)

Erosion Loss using ASTM C-704 Method

After 1500°F (815°C): 10-14 cc (typical)

Thermal Conductivity (using ASTM C1113)

Mean Temperature	BTU/ft ² /hr/°F/inch	W/mK
1000°F (538°C) :	9.1	1.31
1500°F (815°C) :	10.5	1.51
2000°F (1093°C) :	10.7	1.54

Typical Chemical Analysis, % (Calcined Basis)

Alumina (Al ₂ O ₃)	42.2
Silica (SiO ₂)	49.2
Iron Oxide (Fe ₂ O ₃)	1.2
Titania (TiO ₂)	1.8
Lime (CaO)	3.7
Magnesia (MgO)	0.5
Alkalis (Na ₂ O+K ₂ O)	1.4

Brand Code: 0807

Standard Packaging: 55 lbs bag, 72 bags per pallet. Bulk packaging available.

The properties shown on this data sheet represent **typical average results** generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

9/8/15 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website at RESCOPRODUCTS.COM to determine if you have the current data sheet.

RESCO PRODUCTS, 6600 Steubenville Pike - Suite 300, Pittsburgh, PA, 15205 Phone: 888-283-5505